

Configuring Camel endpoints

The Spring configuration is used for configuring Camel routes.

Two types of endpoints are used in the Camel route, namely 'from' and 'to'.

- the 'from' endpoint is preconfigured in FEJ and must be the following: "<from uri='direct:routingRule'/>". It is used by the Camel destination endpoint for sending messages handled in [Groovy rules](#).
- 'to' endpoints can be as many as required. They are implemented in Camel and can be found in the [official Camel documentation](#).

The configuration is located in the `sysconf/fej-camel-context.xml` file and has the following structure:

Example of `sysconf/fej-camel-context.xml`

```
<beans xmlns="http://www.springframework.org/schema/beans"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:context="http://www.springframework.org/schema/context"
  xsi:schemaLocation="
    http://www.springframework.org/schema/beans http://www.springframework.org/schema/beans/spring-beans.
xsd
    http://camel.apache.org/schema/spring http://camel.apache.org/schema/spring/camel-spring.xsd
    http://www.springframework.org/schema/context
    http://www.springframework.org/schema/context/spring-context.xsd
  ">

  <context:component-scan base-package="com.epam.fej.camel"/>

  <camelContext id="<context_id>" xmlns="http://camel.apache.org/schema/spring">
    <route>
      <from uri="direct:routingRule"/>
      <to uri="google-pubsub://<project_id>:<topic_name>"/>
      <to uri="kafka:<topic_name>?brokers=<ip>:<port>"/>
    </route>
  </camelContext>

</beans>
```

Where `<context_id>` is a configuration identification that is used in Groovy rules that route the messages.

Example of configuration:

Example of sysconf/fej-camel-context.xml

```
<beans xmlns="http://www.springframework.org/schema/beans"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:context="http://www.springframework.org/schema/context"
  xsi:schemaLocation="
    http://www.springframework.org/schema/beans http://www.springframework.org/schema/beans/spring-beans.
xsd
    http://camel.apache.org/schema/spring http://camel.apache.org/schema/spring/camel-spring.xsd
    http://www.springframework.org/schema/context
    http://www.springframework.org/schema/context/spring-context.xsd
  ">

  <context:component-scan base-package="com.epam.fej.camel"/>

  <camelContext id="google_pub_sub_news" xmlns="http://camel.apache.org/schema/spring">
    <route>
      <from uri="direct:routingRule"/>
      <bean ref="sohToBarProcessor" method="process"/>
      <to uri="google-pubsub://or2-msq-epm-bfix-tliylu:NewsMessages"/>
      <to uri="kafka:NewsMessages?brokers=localhost:9092"/>
    </route>
  </camelContext>

  <camelContext id="google_pub_sub_orders" xmlns="http://camel.apache.org/schema/spring">
    <route>
      <from uri="direct:routingRule"/>
      <to uri="google-pubsub://or2-msq-epm-bfix-tliylu:OrderMessages"/>
    </route>
  </camelContext>
</beans>
```

NOTE: Each specified Camel configuration should be started by the [Scheduler](#).